

**Notice of Allowability**

Application No.

10/085,641

Examiner

Samson B. Lemma

Applicant(s)

FAITH ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 03/19/2007.
2. ☒ The allowed claim(s) is/are 25,27-32 and 34-38.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

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### ***DETAILED ACTION***

1. This is in reply to amendment after non-final office action, filed **on March 19, 2007**. Claims **1-24 were previously canceled**.  
**Claims 26 and 33 are now canceled. Thus claims 25, 27-32 and 34-38 are pending/examined.**
2. In the previous office action, examiner on page 4 of the office action indicates that incorporating the limitation of **dependent claims 26 and 33** into the corresponding independent claims would overcome the grounds of rejections. Accordingly, the limitations of claim 26 have been incorporated into independent claim 25 and the limitations of claim 33 have been incorporated into independent claim 32.

### ***Allowable Subject Matter***

3. **Claims 25, 27-32 and 34-38** are allowed.
4. The following is an examiner's statement of reasons for allowance:
5. **Claims 25, 27-32 and 34-38 are allowed for** the following reasons.
6. **Basch** the reference on the record, discloses each and every limitation recited in the respective independent claims 25 and 32 before the claims were amended.  
**For instance regarding the independent claims 25 and 32 Basch discloses**  
**a method of assessing a financial fraud risk [title, abstract] within a distributed client** [Abstract, account issuer/sink]/**server** system [column 6, lines 55, "FRPS 100"], said method comprising:

**Receiving first and second financial transactions from transactional information source at a central computer system;** [Abstract] ("A computer-implemented method for predicting financial risk, which includes **receiving first**

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**transaction data pertaining to transactions performed on a first financial account.** The first financial account represents a financial account issued to a given account holder by a first account issuer. **The method further includes receiving second transaction data pertaining to transaction performed on a second financial account** different from the first financial account")

- **Generating first features for said first financial transaction at said central computer system;**[Abstract, "scoring the first transaction"]
- **Generating second features for said second financial transaction at said central computer system;**[Abstract, "scoring the second transaction"]
- **Determining feature changes between said first features and said second features at said central computer system; [ Abstract]**  
(Determining whether or not the score is below a predefined financial risk threshold meets the limitation of determining feature changes between said first features and said second features]
- **Encrypting said features changes at said central computer system; [column 8, lines 40-51 and ]** (The control parameters may include, for example, BIN lists (i.e., lists of account number ranges from participating account issuers), scoring options, report options, encryption options, and the like. The control parameters, which may be received from account issuers via FRPS management module 112, are then employed by FRPS 100 to process the input data and properly format and encrypt the alerts

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and scores to the various data sinks (i.e., the receiver of the generated credit scores and/or credit alerts).

- **Transmitting said encrypted feature changes from said central computer system to a client computer System [column 8, lines 39-51 and column 9, lines 44-49, column 9, lines 38-49; column 9, lines 62- column 10, line 2] (FRPS system met the central computer system and various data sinks or transaction authorization system or account issuers or other data customers shown on figure 1 and as an example indicated on column 9, line 47-48 met the client computer system);**

- **Receiving a local, current financial transaction at a client computer system; [Column 9, lines 46-48] (Transaction authorization system making a transaction indicated on column 9, lines 46-48 meets the limitation of receiving a local, current financial transaction at the client/authorization computer)**

- **Encrypting said current transaction at said client computer system; generating local features from said encrypted current transaction at said client computer system; [Column 10, lines 49-58]**

- **Comparing said local features to said received features changes at said client computer system; scoring the result of said comparing to produce a fraud risk value associated with said local, current financial transaction, whereby the risk associated with said current transaction is assessed in a distributed manner.[Column 9, lines 44-61]**

- However the present independent claim recites the following limitation that is not taught by the reference on the record.

“ the first features for first financial transaction including probability information and the second features for second financial transaction including

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**probability information**" and finally, the limitation recited as generating local features from said encrypted current transaction at said client computer system said local features **including probability information**".

As applicant's representative argued the present application is verified and supports these limitations and provides advantages thereof.

For example, the present application describes the use of probability information and its advantages are described at: page 17, last paragraph; page 18, last 5 lines; page 21, lines 14-24; page 23, second paragraph; page 24, first paragraph; page 26, lines 1-5; page 29, line 5; and page 31, first paragraph. None of the prior art of record taken singularly or in combination teaches the method, with the above functional limitation together with the other limitation recited in previous respective independent claims 25 and 32. For this reason, **independent claims 25 and 32 are found to be novel and are allowed.**

7. The dependent **claims 27-31 and 34-38** which are dependent on the above **independent claims 25 and 32 respectively** being further limiting to the independent claim, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samson B Lemma whose telephone number is 571-272-3806. The examiner can normally be reached on Monday-Friday (8:00 am---4: 30 pm).

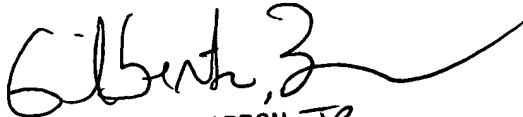
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BARRON JR GILBERTO can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**SAMSON LEMMA**

**S.L.**  
**03/26/2007**

  
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